Math Madness #50
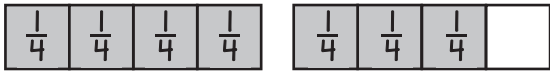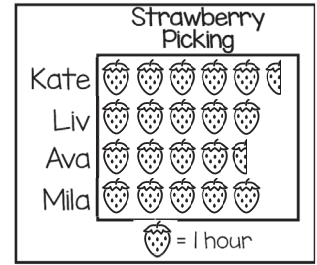
1. Hailey made the model below. Which pair shows the model as a fraction and mixed number?

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | |

   a. $\frac{7}{4}$ and $1\frac{4}{7}$ c. $\frac{4}{7}$ and $1\frac{3}{4}$

   b. $\frac{4}{7}$ and $1\frac{7}{4}$ **d. $\frac{7}{4}$ and $1\frac{3}{4}$**

2. Maverick bought this bag of chips. How much change did he receive if he paid with 4 quarters?

   a. 24¢
   b. 28¢
   c. 32¢
   d. 34¢

   76¢
   Chips

3. Evan, Bryan, Max, and Roy bought 3 packs of football cards and 3 packs of baseball cards. If each pack contains 6 cards, and the boys share them equally, how many cards will Evan get?

   a. 3, because 9 − 6 = 3
   b. 12, because 6 + 3 + 3 = 12
   c. 9, because 36 ÷ 4 = 9
   d. 36, because 6 × 6 = 36

4. Write T for true or F for false.

   F 2 × 8 ≠ 1 × 16
   T 6 × 5 ≠ 30 × 0
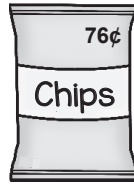   **F** 6 × 1 ≠ 3 × 2
   T 3 × 5 ≠ 2 × 7

5. This picture graph shows how long some people spent picking strawberries. If Liv started picking strawberries at 12:47 p.m., what time did she finish?
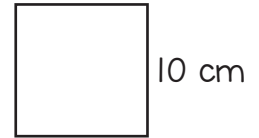
   a. 5:47 p.m.
   b. 6:47 p.m.
   c. 4:47 p.m.
   d. 7:47 p.m.

   Strawberry Picking
   Kate 🍓🍓🍓🍓🍓
   Liv 🍓🍓🍓🍓🍓
   Ava 🍓🍓🍓🍓
   Mila 🍓🍓🍓🍓🍓
   🍓 = 1 hour

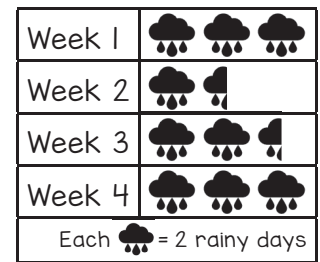6. Cam drew this *square.* The length of one side is shown. What is the perimeter of the square?

   10 cm

   a. 14 cm, because 10 + 4 = 14
   b. 20 cm, because 10 + 10 = 20
   c. 100 cm, because 10 × 10 = 100
   d. 40 cm, because 10 + 10 + 10 + 10 = 40

   Reminder: Squares always have equal length sides.

7. The number of rainy days each week was recorded in this picture graph. How many more rainy days were there in week 3 than week 2?

   a. 1   c. 3
   b. 2   d. 4

   Week 1 ⛈️⛈️⛈️
   Week 2 ⛈️⛈️
   Week 3 ⛈️⛈️⛈️
   Week 4 ⛈️⛈️⛈️
   Each ⛈️ = 2 rainy days

8. One number in this pattern is wrong.

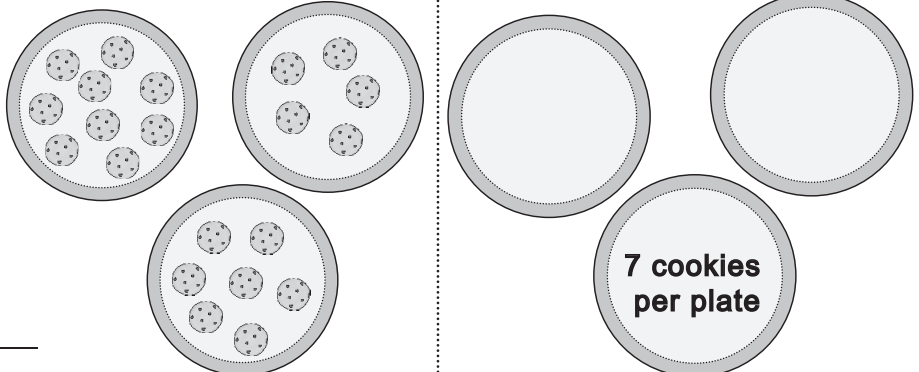   ## 95, 80, 65, 40, 35, 20

   What change can be made to correct the error?

   a. replace 65 with 60   c. replace 40 with 45
   b. replace 40 with 50   d. replace 35 with 25

9 & 10 (2 points) Constructed Response

These are Ava's cookies. Rearrange the cookies on the empty plates so there are the same number of cookies on each plate. Draw the new cookie arrangement.

Write a division sentence to represent the new cookie arrangement.

7 cookies per plate

   __21__ ÷ __3__ = __7__